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Post District  
Price Book Office  
200 North 1st East  
Price, Utah 84301

DIVISION OF  
OIL, GAS & MINING

In Reply Refer To:  
1402  
270-47727  
(4-0556)

JUN 24 1991

Memorandum

To: Chief, Minerals Administration Section (B-942)  
From: Assistant District Manager, Mineral Resources (B-000)  
Subject: Coal Exploration License Application, 270-47727,  
PacifiCorp Electric Operations

In accordance with your memorandum of October 10, 1990 we have reviewed the exploration plan for the subject exploration license.

An audit was completed by Bureau of Land Management (BLM) and Forest Service personnel on October 10, 1990 and no problems were identified with the proposed drill hole locations. The Forest Service also provided our office a copy of the environmental documentation that they completed and we have found that their stipulations are acceptable.

Therefore, approval of the exploration plan is recommended immediately based on the following conditions:

1. The bond amount should be set at \$20,000 (2 holes, \$10,000 each hole) to cover plugging and abandonment with an additional \$1,000 bond to cover the costs of reclamation;
2. The attached Forest Service stipulations; and
3. The attached BLM lease-hole stipulations.

*George Johnson*  
for

Bill Stanger  
Assistant District Manager,  
Mineral Resources

- Attachments (2):  
1. Forest Service Decision Memo and  
Forest Service Special Stipulations  
2. BLM Drilling Stipulations.

cc: Mr. Moss (B-061), w/attach.  
Mr. Salt Lake City, w/attach.  
FJ, Price, w/attach.  
Distribution to: svb:6/26/91  
Bng 27330

COAL EXPLORATION DRILLING STIPULATIONS  
PACIFICORP ELECTRIC OPERATIONS U-67727

1. The Chief of the Price Coal Office shall be notified 48 hours prior to the start and completion of the program.
2. The lessee\licensee is responsible to see that all personnel contracted or otherwise doing work on the exploration program are aware of these approval requirements and abide by all regulations governing this program. Any changes to the approved exploration plan must receive approval from the Chief of the Price Coal Office prior to implementation.
3. When artesian flows or horizons with possible development potential are encountered, the Chief of the Price Coal Office shall be notified immediately so that a determination may be made concerning their development potential. When possible, water samples shall be collected by the operator for analysis by the BLM. A written report is required upon completion of exploration as noted by Stipulation 8 I.
4. Upon completion of down-hole procedures, all drill holes shall be properly sealed by emplacement of cement through tubing from the bottom of the hole to the collar to prevent rock fracturing. Any variance from the procedures itemized below must be approved in advance by the Chief of the Price Coal Office.
5. If adverse down-hole conditions prevent a completed drill hole from being properly plugged after attempting all standard industry plugging procedures, the Chief of the Price Coal Office will be contacted immediately to make a determination as to a final plugging method.
6. The hole location is to be marked by placing an approved marker made of galvanized steel, brass, aluminum or similar noncorrosive metal in the concrete plug. Such markers are to show hole number, year drilled, lessee/licensee name, and as feasible, the section, township, and range in which the hole is located. Top of concrete plug, if located in cultivated field must be set below normal plow depth (10 to 12 inches). In noncultivated areas, all marker caps should not protrude above the ground level. All drill holes shall be surveyed in to assure proper location. An exact survey of each drill hole location will be submitted to the Chief of the Price Coal Office.
7. The Chief of the Price Coal Office shall be notified 24 hours in advance as to the time when each hole is to be plugged so that a representative of the BLM may arrange to observe the plugging procedure.

8. Upon completion of exploration activities, two reports as required by 43 CFR 3485.1 shall be submitted to the Chief of the Price Coal Office, Moab District. The reports at a minimum must contain the following:

A. Location(s) and serial number(s) of lands under Federal lease or license on which exploration was completed.

B. A description of the completed exploration operations that includes the number of holes drilled, total depth of each hole, and completion date of each hole.

C. A map showing the locations of all holes drilled, other excavations, and the coal outcrop lines as appropriate. The scale of the map shall not be less than 1 inch equals 1 mile.

D. Analysis of coal samples and other pertinent tests obtained from exploration operations.

E. Copies of all in-hole mechanical or geophysical stratigraphic surveys or logs, such as electric logs, gamma ray-neutron logs, sonic logs, or any other logs. The records shall include a lithologic log of all strata penetrated and conditions encountered such as water, gas, or any unusual conditions.

F. Status of reclamation of the disturbed areas.

G. Any other information requested by the District Manager.

H. Hydrologic reports using the attached form.

9. An individual lease or license bond in the amount of \$11,000.00, determined by the Price Coal Office, shall be filed with the State Office before commencement of exploration activities. The bond shall be used as required to cover costs incurred by the BLM to correct any violation of these stipulations.